



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

3601 W. Washington • Yakima, Washington 98903-1164 • (509) 575-2800

August 9, 1994

Thomas and Delores Rupel  
PO Box 311  
Selah WA 98942-0311

Re: Emergency Drought Authorization under Application No. G4-32118

In accordance with the provisions of RCW 43.83B.405, on May 12, 1994, it was ordered and determined by the Director of the Department of Ecology that the Yakima River basin is under drought conditions. In accordance with the provisions of WAC 173-166-060, the Washington State Department of Ecology is under the terms of this Order, issuing an EMERGENCY DROUGHT PERMIT. This authorization is conditioned by the following provisions and limitations:

1. The initiation date of this EMERGENCY PERMIT is July 26, 1994.

This EMERGENCY PERMIT will terminate on or before December 1, 1994, unless sooner revoked by the Director of the Department of Ecology. **THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL (REGULAR) PERMIT WILL ISSUE FOR THE FUTURE USE OF THE FACILITY HEREIN AUTHORIZED.**

2. This authorization is for a single well located within the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12, T. 14 N., R. 18 E.W.M.
3. The following well construction requirements must be satisfied before water use as described below can be started:

The casing shall be set or placed (not driven) twenty (20) feet into the first solid, unfractured, nonporous, nonvesicular basalt flow. The well annulus shall be pressure grouted utilizing cement grout as a sealing agent from the bottom of the casing to land surface and the annulus shall be at least four (4) inches greater in diameter than the permanent casing. Other well logs in the area report basalt occurring at shallow depths from 15 feet to 65 feet below land surface. It should be stressed that these provisions require

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EMERGENCY PERMIT  
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sealing the casing into solid, unfractured, nonporous basalt, which may occur at lower depths.

For the purpose of making water level measurements, installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gage are also required when the well has a static water level greater than 100 feet below land surface. The air line shall be constructed of 1/4 inch minimum diameter galvanized steel pipe, or comparable material if pre-approved by the department. The air line shall be equipped with a standard tire (Schrader) valve. Distance from land surface to the bottom end of the air line shall be clearly posted at the well site, accurate to 0.5 feet or less. The air line, access port, and all well equipment shall be installed and maintained to provide access for measurement of water levels.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells).

4. A suitable flow meter approved by the Department of Ecology shall be installed and maintained in accordance with WAC 508-64-020 through WAC 508-64-040. (Installation, operation and maintenance requirements attached hereto.)

Whenever water is being diverted, bi-weekly (every two weeks) readings of the flow meter shall be recorded and maintained by the permittee. These readings shall be documented by time, date, withdrawal rate, and the person conducting the measurements. Copies of these records shall be submitted to the Department of Ecology at the end of the 1994 irrigation season.

5. The quantity of water to be withdrawn is limited to 98 gpm and 10.4 acre-feet per year. This is based upon the instantaneous quantity of 7.5 gallons per minute and an annual quantity of 0.8 acre-feet per acre.
6. Water is to be used for supplemental irrigation of 13 acres from May 15 to December 1, 1994. The place of use is described as follows:

The south 495 feet of the East 440 feet of the SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12; and the east 220 feet of the west 660 feet of the south 495 feet and the

WTF COLA

EMERGENCY PERMIT

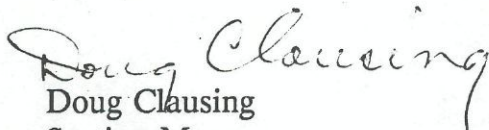
Page 3

north 405 feet of the south 900 feet of the west 935 feet of the SW¼SW¼ of Section 12, all within T. 14 N., R. 18 E.W.M.

7. The irrigation water herein authorized to be withdrawn is supplemental to water made available under primary rights confirmed in the Yakima River basin Adjudication, Subbasin 15. The only water herein permitted for withdrawal is water necessary to alleviate hardships and reduce burdens on water users arising from drought conditions. This amount shall not exceed 0.8 acre-feet per year per acre.
8. Withdrawal of water under this right may be limited or otherwise regulated in favor of senior rights.
9. Construction of the well under this permit must begin by October 1, 1994. No new well construction shall be allowed after this date. Construction of the well shall be completed no later than October 15, 1994.

You have the right to obtain review of this order. Request for review must be made, within thirty (30) days of receipt of this order, to the Washington Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. Concurrently, a copy of the request must be sent to the Department of Ecology, PO Box 47600, Olympia, Washington 98504-7600. These procedures are consistent with the provisions of Chapter 43.21B RCW and the rules and regulations adopted thereunder.

Sincerely,



Doug Clausing  
Section Manager  
Water Resources Program

DC:PC:gh  
940825.wr4

Enclosures: Flow Measurement Record  
Flow Meter Requirements  
Ground Water Bulletin No. 1

cc: Yakama Indian Nation  
Dale Bambrick  
Wendell Hannigan



CLAIMANT NAME: Delores A. Rupel COURT CLAIM NO. 01021  
Source: Wenas Creek  
Use: Irrigation of 4.50 acres  
Period of Use: April 1 to October 15  
Quantity: 0.09 cubic foot per second, 13.5 acre-feet per year  
Priority Date: June 30, 1867  
Point of Diversion: 300 feet north and 990 feet east from the southwest corner of Section 12, being within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12, T. 14 N., R. 18 E.W.M.  
Place of Use: The south 495 feet of the east 440 feet of the SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12, T. 14 N., R. 18 E.W.M.

CLAIMANT NAME: Thomas Robert Rupel COURT CLAIM NO. 00862  
& Delores A. Rupel  
Source: Wenas Creek  
Use: Irrigation of 11.2 acres  
Period of Use: April 1 to October 15  
Quantity: 0.224 cubic foot per second, 33.6 acre-feet per year  
Priority Date: June 30, 1867  
Point of Diversion: 300 feet north and 990 feet east of the southwest corner of Section 12, being within the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12, T. 14 N., R. 18 E.W.M.  
Place of Use: The east 220 feet of the west 660 feet of the south 495 feet and the north 405 feet of the south 900 feet of the west 935 feet of the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12, T. 14 N., R. 18 E.W.M.

REPORT OF REFEREE  
Re: Subbasin No. 15



(1) OWNER: Name Kerna Madison Address State Ave Apt Box 1179

(2) LOCATION OF WELL: County Yickonia SW 1/4 Sec. 12 T. 14 N. R. 18 W.M.

\_\_\_\_\_ bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐  
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 1

New well	<input checked="" type="checkbox"/>	Method: Dug	<input type="checkbox"/>	Bored	<input type="checkbox"/>
Deepened	<input type="checkbox"/>	Cable	<input type="checkbox"/>	Driven	<input type="checkbox"/>
Reconditioned	<input type="checkbox"/>	Rotary	<input checked="" type="checkbox"/>	Jetted	<input type="checkbox"/>

(5) **DIMENSIONS:** Diameter of well 6 inches.  
 Drilled 60 ft. Depth of completed well 60 ft.

**(6) CONSTRUCTION DETAILS:**

**Casing installed:** 6" Diam. from 1 ft. to 3 3/2 ft.  
 Threaded ☐ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Welded ☒ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Perforations:** Yes ☐ No ☒

Type of perforator used.....

SIZE of perforations ..... in. by ..... in.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

**Screens:** Yes ☐ No ☒

Manufacturer's Name.....

Type..... Model No.....

Diam. .... Slot size ..... from ..... ft. to ..... ft.

Diam. .... Slot size ..... from ..... ft. to ..... ft.

**Gravel packed:** Yes ☐ No ☒ **Size of gravel:** .....  
Gravel placed from ..... ft. to ..... ft.

**Surface seal:** Yes ☒ No ☐ To what depth? 18 ft ft.  
Material used in seal:  Bentonite   
Did any strata contain unusable water? Yes ☐ No ☒  
Type of water?..... Depth of strata.....  
Method of sealing strata off.....

(7) **PUMP:** Manufacturer's Name.....  
Type: ..... H.P. ....

(8) **WATER LEVELS:** Land-surface elevation above mean sea level.....ft.  
 Static level 12.....ft. below top of well Date. 4-13-81  
 Artesian pressure .....lbs. per square inch Date.....  
 Artesian water is controlled by.....(Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....

Yield: 65 gal./min. with ft. drawdown after hrs.

" Blowing air " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....

Bailer test.....gal./min. with.....ft. drawdown after.....hrs.

Artesian flow.....g.p.m. Date.....

Temperature of water..... Was a chemical analysis made? Yes ☐ No ☒

**(10) WELL LOG:**

**Formation:** Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

[illegible]

Work started 4-21, 1981 Completed 4-23, 1981

### WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Eastwood Drilling Inc  
(Person, firm, or corporation) (Type or print)

Address 2202 River Rd Yakima

[Signed] Shute N. Eastwood  
(Well Driller)

License No. 0112 Date 4-23, 1981



WATER WELL REPORT  
STATE OF WASHINGTON

7383-A

Application No. 10367

Permit No. ....

(1) OWNER: Name Kenneth King Address Selah Washington  
(2) LOCATION OF WELL: County Yakima E 220 Ft. of W 60 5 4 15 2 N 1/4 S W 1/4 Sec 12 T 14 N, R 18 W.M. N  
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐  
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 1  
New well ☒ Method: Dug ☐ Bored ☐  
Deepened ☐ Cable ☐ Driven ☐  
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.  
Drilled 156 ft. Depth of completed well 156 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 25 ft.  
Threaded ☐ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Welded ☐ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations: Yes ☐ No ☒

Type of perforator used \_\_\_\_\_  
SIZE of perforations \_\_\_\_\_ in. by \_\_\_\_\_ in.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens: Yes ☐ No ☒

Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ Model No. \_\_\_\_\_  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface seal: Yes ☒ No ☐ To what depth? 25 ft.  
Material used in seal Cement & Bentonite  
Did any strata contain unusable water? Yes ☐ No ☒  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

(7) PUMP: Manufacturer's Name \_\_\_\_\_  
Type: \_\_\_\_\_ H.P. \_\_\_\_\_

(8) WATER LEVELS: Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
Static level 6 ft. below top of well Date 10-9-74  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Artesian water is controlled by \_\_\_\_\_ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☐ If yes, by whom? \_\_\_\_\_  
Yield: 75 gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

" Pumped with Air " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
or test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay + Hardpan	0	14
Red Lava Rock	14	16
Gray Basalt Rock	16	100
Broken Basalt	100	112
Solid Sandstone	112	122
Sandstone Layers + Water	122	156

RECEIVED

Work started 10-8 1974 Completed 10-10 1975

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Eastwood Drilling Inc.  
(Person, firm, or corporation) (Type or print)

Address 2202 River Rd Yakima WA

[Signed] Chester A Eastwood  
(Well Driller)

License No. 0112 Date 10-10 1974



(1) OWNER: Name Jim Rice Address

LOCATION OF WELL: County Yakima - 37 1/4 37 1/4 Sec 13 T. 14 N. R. 18 W. M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐  
Irrigation ☐ Test Well ☐ Other ☐

**(4) TYPE OF WORK:** Owner's number of well  
(if more than one).....

New well	<input checked="" type="checkbox"/>	Method: Dug	<input type="checkbox"/>	Bored	<input type="checkbox"/>
Deepened	<input type="checkbox"/>	Cable	<input type="checkbox"/>	Driven	<input type="checkbox"/>
Reconditioned	<input type="checkbox"/>	Rotary	<input checked="" type="checkbox"/>	Jettied	<input type="checkbox"/>

(5) **DIMENSIONS:** Diameter of well ..... 6 ..... inches.  
 Drilled <sup>85</sup> ..... ft. Depth of completed well <sup>55</sup> ..... ft.

(6) **CONSTRUCTION DETAILS:** Plastic

Casing installed: 6" Diam. from +1 ft. to 35 ft.

Threaded ☐ " Diam. from " ft. to " ft.

Welded ☐ " Diam. from " ft. to " ft.

**Perforations:** Yes ☐ No ☒

Type of perforator used.....

SIZE of perforations ..... in. by ..... in.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

**Screens:** Yes ☐ No ☒

Manufacturer's Name.....

Type..... Model No.....

Diam. .... Slot size ..... from ..... ft. to ..... ft.

Diam. .... Slot size ..... from ..... ft. to ..... ft.

**Gravel packed:** Yes ☐ No ☒ Size of gravel: .....  
Gravel placed from ..... ft. to ..... ft.

**Surface seal:** Yes ☒ No ☐ To what depth? 20 ft.  
Material used in seal  Bentonite   
Did any strata contain unusable water? Yes ☐ No ☒  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

(7) **PUMP:** Manufacturer's Name.....  
Type: ..... **H.P.**.....

(8) **WATER LEVELS:** Land-surface elevation above mean sea level... 4/25/83 ft.  
 Static level 22 ft. below top of well Date...  
 Artesian pressure lbs. per square inch Date...  
 Artesian water is controlled by... (Cap, valve, etc.)

**(9) WELL TESTS:** Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....

Yield:	gal./min. with	ft. drawdown after	hrs.
"	"	"	"
"	"	"	"
"	"	"	"

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

[illegible]

(10) WELL LOG:

**Formation:** Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

[illegible]

## WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Vernon L. ~~RAM~~ Rank  
(Person, firm, or corporation) (Type or print)

Address 5503 Ahtanum Rd. Yakima, Wa. 98903

[Signed] Vernon L. Rank  
(Well Driller)

License No. 0854 Date 4/2 1953







FCY 050-1-20





# ROE Supporting Docs

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